# PATENT COOPERATION TREATY

REC'D 17 JAN 2006

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY WIPO

(Chapter II of the Patent Cooperation Treaty)

PCT

(PCT Artcle 36 and Rule 70)

Applicant's or agent's file reference CLEAN-F	FOR FURTHER ACT	TION	See Form PCT/IPEA/416			
International application No.	International filing date(a	lay/month/year)	Priority date (day/month/year)			
PCT/KR2004/00338	9   22 DECEMBER 20	004 (22.12.2004)	26 DECEMBER 2003 (26.12.2003)			
International Patent Classification	(IPC) or national classification a	and IPC				
D03D 15/00(2006.01)i						
D03D 13/00(2000.01)i						
Applicant						
KOLON INDUSTRIES, I	NC at al	•				
ROLON HADOSTRIES, I	ive etai		•			
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	anied by ANNEXES, comprising ant and to the International Burea		sheets, as follows:			
			a amended and are the basis for this report			
and/or shee	ts containing rectifications author		(see Rule 70.16 and Section 607 of the			
	tive Instructions).					
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	ational Bureau only) a total of (in					
	ence listing and/or tables related to equence Listing (see Section 802)		rm only, as indicated in the Supplemental			
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4. This report contains indicat	ions relating to the following iter	ms:				
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Box No. II Priority						
Box No. IV Lack of unity of invention						
citatio	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI Certa	nin documents cited					
Box No. VII Certain defects in the international application						
Box No. VIII Certain observations on the international application						
Date of submission of the demam	d	Date of completion of	f this report			
15 JUNE 2005 (15.06.2005)		04 JANUARY 2006 (04.01.2006)				
Name and mailing address of the IPEA/KR		Authorized officer	A21 1000			
Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701,		CHO II o Iv	<b>MARION</b>			
Republic of Korea		CHO, Ho Jung	VEILAV			
Facsimile No. 82-42-472-7140		Telephone No. 82-4	2-481-5593			

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/KR2004/003389

Box No. I	Basis of the report
	gard to the language, this report is based on the international application in the language in which it was filed, unless se indicated under this item.
	his report is based on translations from the original language into the following language English,
	hich is the language of a translation furnished for the purposes of:
···	international search (under Rules 12.3 and 23.1(b))
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<u> </u>	publication of the international application (under Rule 12.4)
L	international preliminary examination (under Rules 55.2 and/or 55.3)
to the red	ard to the <b>elements</b> of the international application, this report is based on (replacement sheets which have been furnished reiving Office in response to an invitation under Article 14 are referred to in this reort as "originally filed" and are not to this report):  international application as originally filed/furnished
the	description:
	gesas originally filed/furnished
	ges*received by this Authority on
pa	ges* received by this Authority on
the.	claims:
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	es* as amended (together with any statment) under Article 19
pag	es* received by this Authority on
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tne	drawings:  esas originally filed/furnished
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	es* received by this Authority on
3. TI	sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.  The amendments have resulted in the cancellation of:  The description, pages  The claims, Nos.  The drawings, sheets  The sequence listing (specify):  any table(s) related to sequence listing (specify):  The sequence listing (specify):
ma	de, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box alle 70.2(c)).  the description, pages the claims, Nos. the drawings, sheets the sequence listing (specify): any table(s) related to sequence listing (specify):
* If item 4 a	pplies, some or all of those sheets may be marked "superseded."

#### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/KR2004/003389

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement			
Novelty (N)	Claims	1-10	YES
• . ,	Claims	None	NO
Inventive step (IS)	Claims	1-10	YES
	Claims	None	NO
Industrial applicability (IA)	Claims	1-10	YES
	Claims	None	NO

### 2. Citations and explanations (Rule 70.7)

The following documents have been considered for the purpose of this report:

D1: US 6632504 B1 (14 OCTOBER 2003) D2: US 5935883 A (10 AUGUST 1999)

D3: JP 9119067 A (6 MAY 1997)

D1 discloses a nonwoven web which can be readily converted to an apertured web by stretching. In its initial non-apertured state, the web comprises a plurality of multicomponent fibers comprising at least two thermoplastic polymer components arranged in at least first and second separate continuous structured domains. The frangible bond sites are structured and arranged to readily rupture when subjected to tensile stress to form discrete, spaced-apart apertures in the nonwoven fabric.

D2 discloses a superfine microfiber web comprising split fibers of meltbrown fibers, said split fiber web comprising first split microfibers of a first polymeric composition and second split microfibers of a second polymeric composition, wherein at least one of the polymeric compositions is hydrophilic.

D3 discloses a wiping cloth comprising a knitted or a woven fabric composed of polyester ultrafine fiber filaments having less than 0.1 denier single filament sized without substantially containing a hydropholic or a hydrophobic substance.

The claimed invention relates to a cleansing polyester fabric, which comprises a polyester multifilament consisting of ultra yarns(monofilament fibrils) of 0.001 to 0.1 deniers or its false twist yarn as a warp, and a false twisted mixing yarn consisting of said polyester multifilament and a high shrinkable polyester multifilament with 10-50% of shrinkage rate in boiling water as a weft.

(Continued on Supplemental Sheet.)

International application No.

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

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### Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of:

Box No. V

The technical feature of the present invention is that a cleansing polyester fabric comprises (i) a polyester multifilament of ultra yarns or its false twist yarn as a warp and (ii) a false twisted mixing yarn of a polyester multifilament and a high shrinkable polyester multifilament as a weft. Said cleansing fabric is useful as a makeup cleansing fabric or as a wiping fabric for fine products and optical devices.

However, none of the prior art documents discloses a cleansing polyester fabric comprising a polyester multifilament false twist yarn as a warp and a false twisted mixing yarn as a weft. Said cleansing fabric in this invention would not have been obvious to a person skilled in the art.

Therefore, claims 1-10 meet the requirements of novelty, inventive step and industrial applicability under PCT Article 33(2)-(4).